# Air flow sensors

- Air Velocity Sensor AVS
- Air Flow Sensor AFD

# Air Velocity Sensor AVS

**SKU: AVS**

**Doc No**: AVS-DS-EN-10

## Introduction

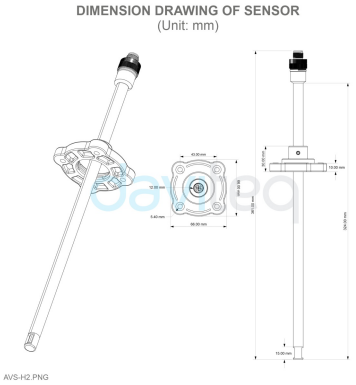
AVS is the Air Velocity Sensor with DULP output with M12-Male connector, compatible with all kind of Wireless sensor node from Daviteq that support DULP signal.

- No moving parts;
- Excellent repeatability (1% FS);
- “Solid state” sensing core (no surface cavity or fragile membrane) resistant to clogging and pressure shock

## Typical applications

- Data Center Thermal Management;
- HVAC VAV Damper Control;
- HVAC Filter Monitoring.




## Specification

| | |
|---|---|
| Technology | thermal mass flow measurement |
| Velocity range (m/s) | 0 .. 15 |
| Accuracy | 5% |
| Repeatability | 1% |
| Resolution | 12 bit |
| Response Time | 125 mSec |
| Output | DULP |
| Supply | 3.3VDC |
| Operating temperature and humidity | -25 .. + 85 oC, 0 .. 100% RH (non condensing) |
| Connector | M12-Male 4 pin |
| Net Weight | max 500g |

## Ordering Code

| Item code | Descriptions |
| --- | --- |
| AVS-15-P300 | AIR VELOCITY SENSOR, DULP OUTPUT, MAX 15M/S WITH 300MM LENGTH SLIDING PROBE, FLANGE, M12-MALE CONNECTOR |
| AVS-15-200 | DULP TYPE AIR VELOCITY SENSOR, MAX 15M/S WITH 200MM CORRUGATED CABLE, M12-MALE CONNECTOR |

⚠ Link for full datasheet:

⚠ Link for manual:

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# Air Flow Sensor AFD

**SKU: AFD**

**Doc No**: AFD-DS-EN-10

## Introduction

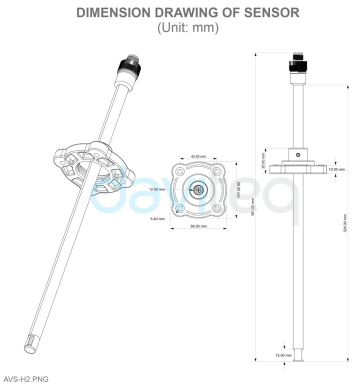
AFD is the Air, Gas Velocity Sensor with DULP output with M12-Male connector, compatible with all kinds of Wireless sensor nodes from Daviteq that support DULP signal, for example, WS433-M12F, WSSFC-M12F, WSLRW-M12F

- No moving parts;
- Excellent repeatability (2% FS);
- Can be used for "Wet" gas;
- Adjustable stem length to suit different pipe or duct sizes

## Typical applications

- Data Center Thermal Management;
- HVAC VAV Damper Control;
- HVAC Filter Monitoring
- Using for measuring the flow of Air, Argon, CO2, Nitrogen, Oxygen






## Specification

| | |
|---|---|
| Technology | Differential Pressure |
| Fluid to measure | Air, Nitrogen, Oxygen, Argon, CO2 |
| Velocity range (m/s) | 4-29 (for Air) |
| Velocity accuracy (m/s) | +/- 0.5 |
| Max Static Pressure (barg) | Continuous 0.44 |
| Burst pressure (barg) | 0.67 |
| Sensor probe dimension | 12mm diameter, 200mm length |
| Process connection | Sliding proprietary flange, come with Gasket |
| Output | DULP |
| Connector | M12-Male 4 pin |
| Working temperature (oC) | -40 .. + 85 |

| | |
|---|---|
| Working Humidity (%RH) | 0-95, non-condensed |
| Net Weight | max 500g |

## Ordering Code

| Item code | Descriptions |
|---|---|
| AFD-0200 | AIR FLOW SENSOR, DULP OUTPUT, 4-29M/S WITH 200MM LENGTH SLIDING PROBE, FLANGE, M12-MALE CONNECTOR |
| AFD-0500 | AIR FLOW SENSOR, DULP OUTPUT, 4-29M/S WITH 500MM LENGTH SLIDING PROBE, FLANGE, M12-MALE CONNECTOR |

⚠ Link for full datasheet:

⚠ Link for manual:

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